

ABSTRACT OF THE DISCLOSURE

A drive unit for a motor vehicle with a cooling system is provided. The drive unit has a hydrodynamic retarder with a rotor vane wheel and a stator vane wheel. The hydrodynamic retarder is arranged in the vehicle cooling circuit and the working medium of the retarder is also the vehicle cooling medium. The retarder can empty a residual liquid quantity against the outside pressure created by the cooling system.